

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A method of increasing mycorrhizal infection in a plant, the method comprising introducing into the plant an expression cassette containing a plant promoter operably linked to a heterologous LNP polynucleotide or complement thereof and infecting the plants with mycorrhizal fungi, wherein the LNP polynucleotide encodes an LNP polypeptide at least about 70% identical to SEQ ID NO: 10, and selecting plants that have increased mycorrhizal infection functions as a Nod factor binding protein.
- 2.-3. (Cancelled)
4. (Currently amended) The method of claim 1, wherein the heterologous LNP polynucleotide is SEQ ID NO: 5 8.
5. (Original) The method of claim 1, wherein the plant promoter is from an LNP gene.
- 6.-8. (Cancelled)
9. (Original) The method of claim 1, wherein the expression cassette is introduced into the plant through a sexual cross.
10. (Cancelled)
11. (Previously presented) The method of claim 1, wherein the LNP polynucleotide is operably linked to the promoter in sense orientation.
12. (Cancelled)
13. (Cancelled)

14. (Currently amended) The method of claim 13 1, wherein the mycorrhizal fungus is *Glomus intraradices*.

15. (New) The method of claim 1, wherein the LNP polypeptide is SEQ ID NO: 2 or SEQ ID NO: 4.